WHAT IS CLAIMED IS:

1. A high frequency antenna module, comprising:

a substrate;

a feeding electrode; and

at least two dielectric chip antennas being mounted on said substrate, each of said two dielectric chip antennas having a base end connected to said feeding electrode and a floating end as an open end,

wherein

a distance between said open ends of said two dielectric chip antennas is shorter than a distance between said base ends of said two dielectric chip antennas.

2. The high frequency antenna module according to claim 1,

wherein

said two dielectric chip antennas are formed on a dielectric chip,

wherein

each of said two dielectric chip antennas is configured as a pair of radiation electrodes,

wherein

said radiation electrodes have such a pattern that said both base ends of said two dielectric chip antennas are connected

to said feeding electrode, and that said both floating ends are open ends,

wherein

one of said radiation electrodes is corresponding to one frequency,

wherein

the other of said radiation electrodes is corresponding to a different frequency from said one frequency, and

wherein

a distance between said open ends of said radiation electrodes is shorter than a distance between said base ends of said radiation electrodes.

3. The high frequency antenna module according to claim 2, wherein a pattern of said radiation electrodes has a meandering shape.

4. A high frequency antenna module, comprising:

a substrate;

a feeding electrode; and

at least two antennas as an internal antenna using for a portable or wireless being mounted on said substrate, each of said two antennas having a base end connected to said feeding electrode and floating end as an open end,

wherein

a distance between said open ends of said two antennas is shorter than a distance between said base ends of said two antennas.

5. The high frequency antenna module according to claim 4,

wherein

each of said two antennas is configured as a pair of radiation electrodes,

wherein

said radiation electrodes have such a pattern that said both base ends of said two antennas are connected to said feeding electrode, and that said both floating ends are open ends,

wherein

one of said radiation electrodes is corresponding to one frequency,

wherein

the other of said radiation electrodes is corresponding to a different frequency from said one frequency, and

wherein

a distance between said open ends of said radiation electrodes is shorter than a distance between said base ends of said radiation electrodes.

6. The high frequency antenna module according to claim 4, wherein a pattern of said radiation electrodes has a meandering shape.

7. The high frequency antenna module according to claim 5, wherein a pattern of said radiation electrodes has a meandering shape.

8. The high frequency antenna module according to claim 3, said two dielectric chip antennas are formed in rectangular parallelepiped shape.

9. The high frequency antenna module according to claim 6, said two dielectric chip antennas are formed in rectangular parallelepiped shape.

10. The high frequency antenna module according to claim 7, said two dielectric chip antennas are formed in rectangular parallelepiped shape.